



# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

**SERIAL NUMBER**

10625642

## **EAST SEARCH**

EAST: search history attached

Search terms:

(First or one) same (second or two) same modulation

Radar

Relative same (speed or velocity) same (range or distance)

(Control or controlling or controlled) same (switch or switching or switched or change or changed or changing)

phase same frequency

(auto or automobile or automotive or car or vehicular or vehicle)

## **IEEE SEARCH**

Search terms:

(auto <or> automobile <or> automotive <or> car <or> vehicular <or> vehicle) <and> radar <and> ((First <or> one) <paragraph> (second <or> two) <paragraph> modulation)

### **1. Across-the-road photo traffic radars: new calibration techniques**

Weil, C.M.; Camell, D.; Novotny, D.R.; Johnk, R.T.;  
Microwaves, Radar and Wireless Communications, 2004. MIKON-2004. 15th  
International Conference on  
Volume 3, 17-19 May 2004 Page(s):889 - 892 Vol.3

### **2. Measurements of small-scale fading and path loss for long range RF tags**

Daeyoung Kim; Ingram, M.A.; Smith, W.W., Jr.;  
Antennas and Propagation, IEEE Transactions on  
Volume 51, Issue 8, Aug. 2003 Page(s):1740 - 1749

**3. System aspects and design of an automotive collision warning PN code radar using wavefront reconstruction**

Detlefsen, J.; Troll, T.; Rozmann, M.; Zellinger, W.;  
Microwave Symposium Digest, 1992., IEEE MTT-S International  
1-5 June 1992 Page(s):625 - 628 vol.2

**4. Analysis of pulse-width modulation with a variable transport lag in a rendezvous radar**

Axelby, G.;  
Automatic Control, IEEE Transactions on  
Volume 9, Issue 4, Oct 1964 Page(s):514 - 525

## INSPEC SEARCH

Search terms:

(auto or automobile or automotive or car or vehicular or vehicle) and radar  
and ((First or one) same (second or two) same modulation)

Search strategy

No. Database Search term Info added  
since Results

1 INZZ

(auto OR automobile OR  
automotive OR car OR  
vehicular OR vehicle) AND  
radar AND (First OR one)  
SAME (second OR two) SAME  
modulation  
unrestricted 4

Saved: 09-Aug-2005, 19:56:04 CET

INSPEC - 1969 to date (INZZ)

**Measurements of small-scale fading and path loss for long range RF tags.**

*Author(s)*

Daeyoung-Kim; Ingram-M-A; Smith-W-W-Jr.

*Source*

IEEE-Transactions-on-Antennas-and-Propagation (USA), vol.51, no.8, p.1740-9, Aug. 2003. ,  
Published:  
IEEE.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Outlook of 1.55  $\mu$  m laser radars for collision avoidance in automotive applications.**

*Author(s)*

Paolini-A.

*Source*

Laser *Radar* Technology and Applications IV, Orlando, FL, USA, 6-9 April 1999.

Sponsors: SPIE, Eur. Opt. Soc., Wissenschaftliche Gesellschaft Lasertechnik e V.  
In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA),  
vol.3707,  
p.604-15, 1999.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**System aspects and design of an *automotive* collision warning PN code *radar* using wavefront reconstruction.**

*Author(s)*

Detlefsen-J; Troll-T; Rozmann-M; Zellinger-W.

*Source*

1992 IEEE MTT-S International Microwave Symposium Digest (Cat. No.92CH3141-9),  
Albuquerque, NM,  
USA, 1-5 June 1992, p.625-8 vol.2.

Sponsors: IEEE.

Published: IEEE, New York, NY, USA, 1992, 3 vol. 1648 pp.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Observations of the wind field in tornadoes, funnel clouds, and wall clouds with a portable Doppler *radar*.**

*Author(s)*

Bluestein-H-B; Unruh-W-P.

*Source*

Bulletin-of-the-American-Meteorological-Society (USA), vol.70, no.12, p.1514-25, Dec.  
1989.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

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## IP.COM SEARCH

Search terms:

Concept search:

**Search query:** (auto or automobile or automotive or car or vehicular or vehicle) and radar and ((First or one) and (second or two) and modulation)

**Published** 7-26-2002 (Original publication date )  
**Before:**

Result # 1      Relevance: 

Method for high resolution radar imagery and accurate dimensional measurements

12-Sep-2000

IPCOM000001175D

English (United States)

This invention involves a method of processing radar returns to form two-dimensional images of targets such as ground vehicles, aircraft, ships, and so forth. Resolution in one dimension is provided by range resolution, and resolution in the other dimension is provided by ...

Result # 2      Relevance: 

Polarization isolation and zero time-sidelobe pulse compression through group-complementary coding

12-Sep-2000

IPCOM000000480D

English (United States)

This concept makes use of the orthogonal nature of Group-Complementary Codes to achieve improved polarization isolation between the vertical and horizontal radiation in a circularly polarized or dual linearly polarized antenna system while achieving zero time-sidelobe ...

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Result # 3      Relevance: 

Ranging method and system, especially for radar signal processing for ambiguous range radars

12-Sep-2000

IPCOM000000763D

English (United States)

A method and apparatus exploiting the discovery that the cross-correlation of rows of Frank or P4 matrices of a given spacing sum to zero. In a ranging system, such as a radar, pulses are coded according to the rows of a Frank or P4 matrix, transmitted sequentially and each ...

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Result # 4      Relevance: 

Control and digital telemetry arrangement for an aerial missile

12-Sep-2000

IPCOM000001280D

English (United States)

A control and digital telemetry arrangement for an aerial missile includes digital telemetry system, a firing circuit, a battery and a latching relay. The digital telemetry system receives an analog input telemetry signal and produces and transmits to a ground station a ...